


## TRANSMISSION

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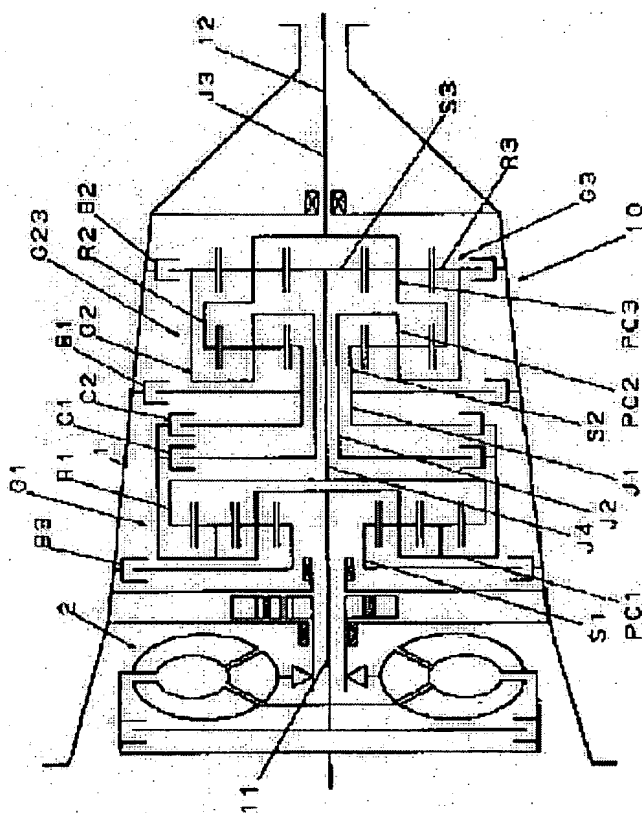
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### Abstract of JP2000240741

**PROBLEM TO BE SOLVED:** To provide a forward 6-stage transmission operating in under drive from 1 speed to 5 speed and in over drive at 6 speed by using three lines of planetary gears and five friction engagement elements.

**SOLUTION:** This transmission 10 comprises a first planetary gear G1 wherein a carrier PC1 and an input shaft 11 are connected; a planetary gear unit G23, wherein both a carrier PC2 and a ring gear R2 of a second planetary gear G2 and both a ring gear R3 and a carrier PC3 of a third planetary gear G3 are respectively connected, wherein first-fourth shaft elements J1-J4 are provided, wherein the first shaft element J1 is connected to an output shaft 12, and wherein the second shaft element J2 is connected to a ring gear R1 of the first planetary gear G1; a first friction clutch element C1 capable of connecting the input shaft 11 and the third shaft element J3; a second friction clutch element C2 capable of connecting the input shaft 11 and the forth shaft element J4; a first friction brake element B1 capable of fixing a sun gear S1 of the first planetary gear G1; a second friction brake element B2 capable of fixing the forth shaft element J4; and a third friction brake element B3 capable of fixing the third shaft element J3.



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